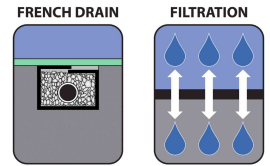




US 80NW

Nonwoven Geotextile



NTPEP APPROVED - GTX-2019-01-292. US 80NW is a nonwoven needlepunched geotextile made of 100% polypropylene staple filaments. US 80NW resists ultraviolet and biological deterioration, rotting, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. US 80NW meets the following M.A.R.V. values except where noted:



PROPERTY	TEST METHOD	ENGLISH	METRIC
Weight Typical	ASTM D-5261	3.1 oz/y ²	105.09 g/m ²
Grab Tensile Strength	ASTM D-4632	80 lbs	356 N
Elongation @ Break	ASTM D-4632	50 %	50 %
Mullen Burst ⁽³⁾	ASTM D-3786	145 psi	1,000 kPa
Pin Puncture ⁽³⁾	ASTM D-4833	40 lbs	178 N
CBR Puncture	ASTM D-6241	175 lbs	779 N
Trapezoidal Tear	ASTM D-4533	30 lbs	134 N
Apparent Opening Size ^(1,2)	ASTM D-4751	50 US Sieve	0.297 mm
Permittivity ⁽¹⁾	ASTM D-4491	2.2 Sec ⁻¹	2.2 Sec ⁻¹
Water Flow Rate ⁽¹⁾	ASTM D-4491	150 g/min/f ²	6,112 L/min/m ²
UV Resistance @ 500 Hours	ASTM D-4355	70 %	70 %

⁽¹⁾ At the time of manufacturing. Handling, storage, and shipping may change these properties.

⁽²⁾ Maximum average roll value (MaxARV).

⁽³⁾ Historical reference values. These properties are no longer recognized by ASTM or AASHTO for geosynthetics.

US 80NW Shipping & Packaging Information

SIZE	DIAMETER	WIDTH	WEIGHT	AREA	ROLLS PER TRAILER
12.5' x 360'	12"	12.5'	145 lbs	500 y ²	260
15' x 360'	12"	15'	165 lbs	600 y ²	210

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